

ABSTRACT OF THE DISCLOSURE

The present invention provides an animal fibers having improved shrink proofing and pilling resistance properties and method for preparation thereof.

5       An animal fiber having excellent shrink proofing and pilling resistance and retaining its original water repellency is also provided. A method of treating animal fiber in which a surface layer part of animal fiber is primary-oxidized in advance with an oxidizer, and aqueous treatment liquid containing ozone in the form of ultrafine  
10       bubbles of 5  $\mu$  or less is allowed to collide against the fiber by blowing the liquid on the fiber in the aqueous treatment solution, and then, the fiber is treated with a reducing agent. Particularly, the above-mentioned method  
15       for treating animal fiber in which ultrafine bubbles of ozone are formed by using a line mixer. The method in which an apparatus which collects the ultrafine ozone bubbles in aqueous treatment liquid on the fiber is used so  
20       that the bubbles are not scattered out of a treatment reaction bowl.

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